June 11th

At 12 M. All the vessels of the squadron near together outside of Cape Henry. Discharging pilots Sea pretty smooth. Weather pleasant. Sky somewhat overcast. In the afternoon a fog prevailed during which we lost sight of the Porpoise Saw numbers of Medusae or Scanettes and caught some also Seaweed covered with young barnacles Fog continues at night – the moon showing distinct above it The Porpoise not in sight Wind light the J. H. going alternately with sails and very little steam

June 12th

Foggy early at times partially clearing – Saw a sail ahead on the lee bow – About 10 A.M. saw the Porpoise ahead – How she got there is a mystery as yet for we left her far astern apparently unable to keep up with us – Wind light early in the morning freshening towards midday N.E. At 12 M. making 7 8 knots per hour with wind and low steam Wind very fresh during the afternoon At night slackening sail though the wind continued fair till about midnight we made only 2½ knots Sea sick In the Gulf Stream

June 13th

Clear and pleasant – making somewhat better sailing than during the night Sea pretty rough this morning A sail on our lee quarter steering for New York probably Shortened sail about midday to take observations A copy of the Latitude and Longitude is taken with the direction and force of the wind &c. and enclosed in a bottle which is thrown overboard Accompanying these observations is a request that the finder will send them To Lieut Maury of the National Observatory Washington

In this way are procured hundreds of observations yearly which are of great use in the construction of charts Seasick all day Clear and pleasant with a fine breeze — squadron all together

June 14th

Felt somewhat better this morning — ate a little breakfast Clear and pleasant with fresh breeze from N.E. Sail seen from the mast-head two points on the weather bow — afterwards one point on the lee bow — steering probably for the West Indies Fed very well in the afternoon — collected seaweed containing small univalve mollusks — flying fish came on board at night

June 15th

Somewhat better this morning — ate breakfast found some small crustaceae (crabs) among seaweed Clear and pleasant — wind fresh — afternoon pleasant wind fresh — amused ourselves in fishing up seaweed in which are found nestling several species of crustacean (crabs shrimps &c) and two small fishes about an inch long

June 16th

Wind very light this morning — eastwardly — pleasant with floating clouds — squadron moving very slowly our vessel hardly using steam at all — Felt a little better today — caught some crustaceae and mollusks (slugs) among seaweed and what looks like the eggs of some animal in long sinuous string surrounded by a gelatinous mass — Nearly calm through the middle of the day — the ships rolling slowly from side to side — no motion through the water — Hot and oppressive — a dead calm nearly all day — porpoises ~~at~~ around the ship at night caught two Portuguese men-of-war

June 17th

Calm again this morning not enough wind to ripple

the surface of the Ocean – lay all night rolling lazily from side to side or slowly and gently pitching as the low-long swell moves from stem to stern – sails flapping against the masts and rigging – our steam smothered and confined and used only at distant intervals and for a few minutes at a time in order to come near any other vessel of the squadron or to take a different position – Gradually recovering from seasickness A signal from the Commodore requiring all the Naturalists to repair on board that ship to consult together for mutual cooperation in scientific efforts took several of us on board this morning Calm all day the ships rolling slowly from side to side – clear and pleasant though hot in the middle of the day – At night an opportunity was given to such as desired it of taking a salt-water bath by means of a sail stretched over the ships side and all of the men and officers who wished had a bath as ready [illegible] as safety permitted

June 18th

Calm continues – more completely calm than heretofore – the ship having but very little rolling motion – Somewhat cloudy particularly near the horizon – not even a porpoise or shark appears to relieve the monotony and lonesomeness of our situation – we are probably about 100–150 miles from the Bermudas Wind commenced to blow very gently [from N.E.] about 9 A.M. and by midday we were going at the rate of four knots nearly east At 2 P.M. squally clouds in the South – squall ends in a light mist about 2½ P.M. This afternoon a signal from the Flagship was, "In event of separation proceed to Funchal" which is in the Island of Madeira and will probably be the first port we will make – cloudy – wind light S.E. decreasing gradually towards night

Getting nearly over the effects of seasickness - nothing now remaining but an unpleasant thirst with difficulty allayed - The sea for the last two days has been so calm that it was safe to leave our airports open even at night - and this same continues till now (night) Squadron all in company

June 19th (Sunday)

Pleasant - wind light N.W. - Seas smooth - said S.E. of us hull down bound for the West-Indies - out of sight by 9 A.M. Wind freshens as the day advances - at noon quite fresh westwardly - Course N.E. six to seven knots Clear and pleasant - wind continues till 10 P.M. fresh - the squadron making seven to eight knots speed - a slight squall with rain about dusk

June 20th Monday

Pleasant - wind less fresh than last night yet sufficient to bear us along with very good speed - the sea so smooth as to allow the airports safely to be left open - same steady breeze continued all day - wind northwest and west - our course N.E. Ships all in sight

June 21 Tuesday

Wind quite fresh - making eight to ten knots - course a little North of East - very pleasant - bad taste in my mouth the effects of seasickness still continues - my appetite becoming pretty good - Made a good run today - wind very fresh from the S.W. - course a little South of east - pleasant all day - ship at times rolling considerably Squadron in company

June 22 Wednesday

Sea rather smoother this morning - wind fresh though moderate increasing as the day advances Northwardly & westwardly - Course E.N.E. breeze all together Sky overcast with thin cloud darker in the N.E. horizon at 12 M. Sky still overcast - breeze fresh - the Cooper

just astern - the Vincennes which is some distance ahead - the Porpoise nearly abreast of us - at 3 P.M. - sailing at the rate of 8½ knots without steam the Vincennes but little ahead and the Porpoise far astern - course a little S. of W. The ships all in company

June 23 Thursday

Ship rolling considerably early this morning wind steady at E by N. Cloudy with showers - wind fresh southerly - course E.S.E - under sail - steam - at 12 M. rate 7½ knots with a fresh breeze yet there is but little swell and the motion of the ship easy - course E.S.E - wind S.W. At night a sail west of us steering a little south of our course - wind quite fresh and steady all day - somewhat cloudy nearly all day - motion of the ship very easy - all the squadron together as might the ship rolling in a somewhat rough sea

June 24th Friday

Sea pretty rough again this morning - wind fresh S.W. - cloudy - sun appearing at intervals - course E.S.E. - squadron all together - wind very fresh during the middle of the day - about 2 P.M. squally clouds gather astern of us with thunder - shorten sail - wind changing more to the south - saw blackfish a kind of whale or porpoise and swimming like the latter came this afternoon under our stern and followed in our wake for some distance plunging and blowing - wind yet (at night) very fresh - squadron making fine headway - cloudy with now and then a few stars appearing

June 25th Saturday

Waked early by the clatter of plates thrown down

by the rolling of the Ship - running under all the sail that can be safely carried and with steam yet we all not able to keep our position in the squadron - a young flying-fish came on board this morning - somewhat cloudy - sun visible a part of the time - wind very fresh and the ship heeling much to leward - A little after 12 M the "tiller-block strap" a part of the steering gear parted which made the ship for a short time unmanagable and she commenced running across the track of the others - they hove to seeing something was wrong and made signals when our accident was made known and being soon repaired we were again under way - the wind was very fresh at the time so that we were in some danger - but the sail was taken in quickly and no loss or further accident happened - we have been since midnight till nearly night making eight and nine knots

June 26th Sunday

Sea pretty rough during the night causing the ship to roll considerably - wind fresh this morning - course S.S.E. - the Princesses and the rest of the squadron far ahead - somewhat cloudy and hazy near the horizon Seaweed (Sargassum) observed to be disposed in long narrow streaks from S.W. to N.E. mostly in the direction of the wind - nearly disappearing however later in the day - the sea also less rough - light showers towards night and about 11 P.M.

June 27th Monday

wind changed in the night to the N.W. - light - clear and pleasant - squadron under light sail running six to seven knots - course E.S.E - wind becoming towards midday quite fresh N.W. - course E.S.E. Saw an Ought brig steering apparently for the West Indies soon past nearly North of us passing across our course to

to the southward — at 8 PM had squally weather with light showers the early part of the day

June 28th Tuesday

Clear and pleasant — the other ships of the squadron some miles ahead of us — a schooner South of us heading as if for the Mediterranean — wind N.E. course E.S.E — speed 4-6 knots Last night one of the "blow off" valves of one of the boilers was broken off so as to allow nearly all the water and steam to escape from that boiler causing for a little while some alarm — but the fires were soon drawn and the boiler dispensed with We fell considerably behind in consequence of the reduction of steam At 5 P.M. a ship about North of us steering apparently the same course as ourselves

June 29th Wednesday

Cloudy and somewhat squally — wind fresh and changes more to the eastward — course E.S.E at 12 M Wind light — and continuing so through the day which is clear and pleasant At 8 P.M. the wind is becoming quite fresh — the sky hazy or cloudy — course about E.S.E.

June 30th Thursday

At 5 A.M. fell calm and all the morning the ships lay wallowing about with hardly enough wind to keep the ships' heads on their course somewhat cloudy At 12 M. wind changed to a little south of east and freshened — we tacked and made the starboard the weather side of the ship — course E by N. sky slightly overcast — later it fell nearly calm again At 4 P.M. steering E.N.E. with light wind and smooth sea — kept my air-port open most of the day

July 1st Friday

Cloudy with squalls in the distance — wind fresh — sea so smooth that it does not come up to the air-ports

which are open - course nearly east - wind freshen towards 9 A.M. Clear and pleasan - a swallow with white tail coverts flying around the ship. At 12 M clear and pleasant - course E.N.E. - wind light sea rather smooth - At 2 P.M. wind very light a large cask seen ahead floating high - empty? - the Vincennes sent a boat for it - thickly covered below with barnacles Wind very light at night the wind freshened and before 10 P.M. we were going ahead on a North course quite rapidly - wind N.E. - pleasant starlight

July 2nd Saturday

Wind light again - sea smooth - cloudy - course East - a ship on our starboard quarter (at 7 A.M.) steering nearly or exactly our own course - At 11 A.M. the ship is crossing our course four or five miles ahead of us - course about N.E. our own East At 3 P.M. saw a sail in the leeward steering Southward & eastward apparently a schooner small - During the latter part of the day it fell so calm that the ships hardly made steerage way

July 3d Sunday

nearly dead calm again - clear and pleasant - Capt ordered by signal on board the flag ship - caught two jelly-fish of different species - At 2 P.M. the Captain returned on board and ordered steam to be got up and at 3 we were under way with one boiler & getting up steam on the other - still calm - course E.S.E. - At 4 a sail on the starboard beam wind light dead ahead At sunset out of sight of the Vincennes - pleasant - calm Numerous jelly fish & Portuguese men-of-war (Physsa) seen today

Monday July 4th 1853

Clear and pleasant - nearly calm - steaming 5-6 knots jelly-fish or Equias frequently seen - calm continued till about 5 P.M. when a light breeze sprang up from the N.E. when some

said was set which however did not help us much being very light Day beautifully clear and pleasant Quarter deck awning spread for the first time in a good many days — wind at night freshening — course S.E.

Observed the phosphorescence of the sea — sometimes it is a mere bright point of only momentary continuance again larger and brighter of some duration a second or more then a flash of diffuse light covering an area several inches in diameter

Tuesday July 5th 1853

cloudy wind moderate — course S.E. — making good progress with steam and sails — wind moderate through the day — course S.E.

Wednesday July 6th 1853

Cloudy — wind light N.E. — course E.S.E. Clear and pleasant later in the day with breeze moderate The sea has been so smooth both today and yesterday that the air-ports were safely kept open Clear and pleasant all day

Thursday July 7th 1853

somewhat cloudy — wind moderate E.S.E & eastwardly — course S.E. At 8 A.M. in plain sight of Madeira — at 12 M. hoves visible — wind fresher — As the island is neared it is seen covered with fields very few level most inclined many terraced — many hillsides are dotted with small groves probably olives — many fields present the color of ripe grain — Many deep and steep ravines descend from the middle of the island towards the sea The harbor or roadstead on our arrival presents a lively scene numerous boats with a thin curved bow & stem piece extending upwards about three feet and a continuation of the keel — Some of these are loaded with fruit & vegetables or other articles for sale — some in quest of washing — others desirous of furnishing provisions or other stores to the mess and yet others trying to smuggle liquor on board One seaman in the rigging for selling two shirts for a bottle of brandy

Friday July 8th 1853

clear and pleasant - coaling by sunrise - coal in canvass bags brought alongside in lighters - after breakfast went on shore and walked several miles into the country (if it can properly be so named) collecting plants - procured a goodly number of specimens - clear and pleasant all day - expect to finish coaling today

Saturday July 9th 1853

Collected plants again today - found some things overlooked or neglected yesterday particularly the grasses Watering the ship - clear and pleasant - the remainder of the squadron came to anchor this morning

Sunday July 10th 1853

Went on shore early at Capt Rodgers request to procure some specimens of the grape and one affected with blight - examined it and found it not to agree with any of Payer's [illegible] generic characters At 10½ AM got under way with one boiler and a moderate breeze from ~~N.W.~~ S.W. Course South - Wind afternoon changed to S.S.E. and freshened so that we made good headway At nightfall out of sight of the island - wind fresh S.E - course S.S.W.

Monday July 11th 1853

Trade-winds in which we are now sailing continue steady - eastwardly - course S.W. Wind fresh all day

Tuesday July 12th 1853

Passed the Canaries early before daylight - wind continues fresh changing a little to the north - ship rolls considerably - examined some plants today - not very successful in determining species At 11 A.M. wind slackened At night the wind was dead aft N.E. changing sometimes to east - sailing without steam

Wednesday July 13th 1853

Cloudy - wind fresh - eastwardly - course S.W - 7 knots per hour - at midday wind nearly dead aft - aired my drying papers - examined some grasses - wind continues aft till late at night - no steam today

(11)

Thursday July 14th 1853

Pleasant [illegible] at daylight nearly dead
opposite S. Juan — Spoke the [illegible] steamer
Brother Jonathan [illegible] passengers — Sun nearly
[illegible] at noon [illegible] — [illegible]
[illegible] — [illegible]

Friday July 15th 1853

Cloudy — the [illegible] and [illegible] — ship rolls
[illegible] — wind fresh nearly aft steaming
[illegible] — [illegible] — [illegible] more than 5-6
[illegible]

Saturday July 16th 1853

[illegible]

[illegible] 17th '53

[illegible] — [illegible] — [illegible]
[illegible]

Monday July 18th 1853

Fresh light — Steam up [illegible] — [illegible]
the pass [illegible] — [illegible] — [illegible]
[illegible] — wind moderate — sea smooth

Tuesday July 19th 1853

Pleasant — at daylight close along the shore of St Jago — a dark
steep iron bound coast — at 7 A.M. past coming into the harbor
an American ship [illegible] the Constitution showed her number which was
answered — two other small vessels in port

[illegible]

Thursday July 21st 53

[illegible] 3 knots [illegible] 4 1/4 [illegible]

Friday July 21st 1853

[illegible] 6 knots [illegible] all day [illegible] Topmasts [illegible] I took [illegible] saw some other large white gelatinous [illegible] an ochreous spot on them [illegible] other long knotty white gelatinous masses

Friday July 22nd 1853

[illegible] painted dirty yellow with white ports [illegible] miles standing to the northward and eastward

Wind freshened later on the day - the sun declining in an unsettling sometimes threatening continued - found the water coming down and setting my bed again in many places and till night the rain ceased but it began again before 12 o'clock to drizzle - extremely hot and sultry below the deck - retired

Saturday July 25th 1863

Thick foggy at the morning with mists and showery rain which continued on & off at two p.m. Calling my last observation Windlight variable till midday the wind freshened from the south and at 2h P.M. Kangaroo course to S.W. passing the Straits of Banca and then to the Straits of Sunda - Java Head in sight on the S.E. quarter - now & then passed a ship - Java Head appeared much more mountainous than I had before seen it - just before we left the Straits of Banca - Java Head appeared very little more than a cloud

Sunday July 26th 1863

Cloudy - wind fresh - a ship in sight - steering - S.E. - Saw a log with a number of [illegible] on it - this day all fine - stars now & then just visible at night - saw a ship - course all day S.S.W. with wind only - little else. P.M. Rain

Monday July 27th 1863

Cloudy wind light freshening towards the middle of the day - course S.S.E. - Caught several species of Mollusks, Glaucus atlanticus with body like a slug - on each side three pairs of tentacles - one pair of which above white beneath also Physalia the same as that observed before and a Nautilus different from those before seen of a brown colour in the middle

like color above arranged in lines radiating from the centre towards the circumference becoming smaller and closer towards the edge On this was caught a small animal apparently, a kind of parasite though not dead, nothing the mustacean was of an iridescent purple above & beneath also a nautilus with its eggs which are adherent in a cluster under an oval mass or case resembling composed of a transparent substance [illegible]

Sunday July 10th 1853

Cloudy all day the sun almost every day shows himself for a little time in the afternoon — Wind to the Eastward & Northward that time first during till night — Latitude S. 5° 6'. — Lat by photosphere sent the [illegible] ago. got the [illegible] plainly visible — [illegible] than Two [illegible] during the day and [illegible]

Wednesday July 13th 1853

Rainy — wind [illegible] With a nine or ten knots [illegible] three knots — saw [illegible] ship easy — [illegible] wind blew strong — Took in [illegible] at night a reef in the Topsails — light airs all day

Thursday July 14th 1853

Sea rough causing the ship to roll considerably — wind as yesterday the S.W. Monsoon very fresh — mostly cloudy but bright sunshine during the middle of the day — Our course has been all day E.S.E a pretty good [illegible] Monsoon — Arranged my plants during the few moments of sunshine in the middle of the day — Read French & Enquire

Friday July 29th 1853

Wind fell [illegible] morning the night was continued
to most of the morning but pleasant as the day
advanced - clouds thin north conside. about nine-
nine-five [illegible] once or twice - dived my pipe
in the sun at night sailing north steering -
to port with and [illegible] - wind S.E. & - wind S.S.E.

Saturday July 30th 1853

[illegible] - S.W. moderate till [illegible] -
wind S.E. light at 6 to 12 3. P.M. wind
down in the [illegible] [illegible] -
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

Sunday July 31st 1853

Cloudy with fresh S.W. wind - [illegible]
and - at Anchor in the [illegible] -
winds during the day [illegible]
nine - just at night [illegible]
[illegible] - wind fresh S.W. - at 7 P.M. saw a
ship and lost away from the [illegible] W.S.W. - cloudy -
wind fresh south

Monday August 1st 1853

Cloudy till after [illegible] - wind fresh [illegible]
South - [illegible] P.M. after [illegible] - cloudy -
cleared and [illegible] - [illegible]
The Dodiacal light visible [illegible]
cross for the first time [illegible]
splendidly [illegible] [illegible]
[illegible] [illegible] [illegible]
animals scarce [illegible] [illegible]
observed in broad bands running [illegible]
was visible at a distance of [illegible]
latter P.M. [illegible]

[illegible] light the bell being ready, one end weighted
many and [illegible] forms contain and not the whole
of a hundred yards. The natives spear numbers of the
animals near the shore they resemble an enormous
a Trumpet
a round with the nose and answering to the mouth of the
the flat end is studded above with a
valvate tubercles turning independently. Tin rods at the end
the tube is firmly [illegible] fixed-the substance nearly
transparent the nails and constitute about half the
a matter of the body-[illegible] by the [illegible] within the gelatinous
[illegible] the substance of the [illegible] animals
[illegible] floating from the [illegible] the animals
[illegible] the [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
all on the surface [illegible] [illegible]
floating [illegible]
the [illegible] [illegible]
[illegible] [illegible]
large specimens were six inches in [illegible] [illegible]
the light [illegible] [illegible]
and [illegible] subject to the [illegible] [illegible]
dark [illegible] being taken into [illegible] immediately the
covered by innumerable points of [illegible] light which in a min-
ute more or less [illegible] [illegible] [illegible]
tinct, as in spots till [illegible] [illegible]
visible animals the genus Beroe judging from a figure
the impression that a sensation as if [illegible] a slight
electrical effect was produced on handling them but no
distinct temperature was indicated by the thermom-
eter. Steam in the cabin all day-a mile south
at 6 P.M. Tacked and stood away
Sunday (illegible)
Clear and pleasant. Saw many [illegible] [illegible]
in many days [illegible] the animals producing
ing the phosphorescence [illegible] [illegible] [illegible]
ed and many dead and [illegible]

Changed our course again early [illegible] [illegible] N.S. [illegible] near the wind [illegible] [illegible] with sail before the steam taking in [illegible] [illegible] and yards to go with steam alone [illegible] [illegible] against a head wind a continuous [illegible] sound with steam alone on one boiler At night cloudy - later starlight - a few of the luminous animals seen - Course S.W. ½ W - speed 1-2 knots with steam topsails and spanker - wind light

Wednesday Aug 3d 1853

Clear and pleasant with a few floating clouds. Wind light S.½ W. Course S.W. by W three to four knots At 9 A.M. tacked and stood away S. by E. under steam and the fore-and-aft sails - wind moderate. During the middle of the day sent up all the yards and sails and at four o'clock going with sail alone four knots S.E. Clear and pleasant At night the ocean again very phosphorescent - sometimes diffused but oftener in belts the wake of the ship particularly conspicuous for a long distance many of the animals were caught Their mouth when first caught appears to be open but is seemingly gradually closed by a thin transparent or translucent membrane with a minute perforation in the centre - no voluntary motion could be seen Great numbers of them which emitted no light could be seen by the light of those disturbed or excited by the passage of the ship through them - so numerous were they that it would be no stretch of imagination to suppose that they might considerably impede the motion of a boat if not below its draft - At 8 P.M. tacked to the westward Phosphorescence disappeared before morning

Thursday Aug 4th 1853

Clear and pleasant - wind moderate - course S.E. wind South - Some of the phosphorescent [illegible] seen this morning At 2 P.M. tacked ship and steered W by N with sails only - Wind moderate - clear pleasant The sea very slightly phosphorescent early in the night.

Friday July 5th 1853

11 to 4 a.m. Tacked now and then S.E. - clear and pleasant - No. of birds or other animals observable during the early part of the day - Tacked to the N.W. - Wind light variable, light rain coming on towards midday and becoming at night a good breeze - smooth. No other remarkable animals seen as night

Saturday July 6th 1853

Cloudy - but the clouds broken with occasional specks of clear sky intervening Wind still from the S.E. quarter - course N.W. by W. 5 knots - Wind moderate all day During the afternoon immense numbers were seen & some caught They were from one to two inches in diameter of a light purple color deeper towards the middle & marked above with deep purple lines & dots arranged "radiation" Below in the centre were four long processes laminated on the inner edge the lamina being minutely fringed From the outer edge extend eight long tentacula - attached to the under surface of one specimen were two bodies on opposite sides resembling the pedunculated barnacles (Anatifa or Lepas) for the mode of Commelyna, containing a purplish mass which on pressure gushed a fluid of the same color and on their margin were several minute purple bodies like Cypraeas Accompanying the medusae were numbers of a brownish crustacean resting on the water surface and when being removed swimming and darting along rapidly in water Tacked at night after one or two unsuccessful attempts Tacked to the Southward and eastward

Sunday July 7th 1853

Wind light at sunrise freshening as the day advanced Pleasant Saw Glaucus Atlanticus and numerous specimens of a purplish substance resembling Velella or Porpa were passing

Aug 7th 1853

Wednesday May 16th 1877.

Wind light all the early part of day. S.S.E. course S.S.E. Observed some [illegible] Nautilus not [illegible] caught an animal consisting of [illegible] body divided and connected near the [illegible]

[illegible]

[illegible] mostly [illegible] the sea at some little distance [illegible] the surface [illegible] night [illegible] very [illegible] of the [illegible] and [illegible] light [illegible] in the [illegible] day [illegible] this evening we [illegible] a [illegible] species of crustacea [illegible] the antennae [illegible] the body [illegible] the extremity [illegible] with [illegible] [illegible] naturally [illegible] narrow- [illegible] each [illegible] [illegible] — [illegible] tiny [illegible] [illegible] [illegible] long [illegible] at the [illegible] [illegible] [illegible] all the [illegible] of the animal [illegible] [illegible] [illegible] [illegible] [illegible] small [illegible] [illegible] the animal [illegible] [illegible] a yellow [illegible] animal)

Friday, Aug 12th 1853

[illegible] wind moderate [illegible] — [illegible] few animals [illegible] early in the day moving [illegible] during the day [illegible] — towards night a sail hove in sight bound northward she passed just astern of us. We gave our name and longitude and in her turn gave us her name which however we could not understand. We had during twilight caught some more [illegible] a small [illegible] very broad proportionally, [illegible]

[illegible] side of the carapace in front a [illegible] projection on each side with a short acumen [illegible] a tubercle on each posterior corner [illegible] segment apparently in a single piece [illegible] on each side near the end which is [illegible] and delicately ciliated each corner terminating in a

front—the red animal [illegible] the
sides near the centre [illegible] with an opening all the
way to the animal upon [illegible] white and nearly
transparent—one inch [illegible] two pair of organs answer-
ing to mandibles or antennae

January 17th 1823

Light airs and calm—the Commodore [illegible] during the morning—wind fresh [illegible] course S.S.W. Found very few animalcules in the water this morning—but about midday, numbers of very minute crustacea [illegible] a tribe of [illegible] transparent tubes—also some minute globules each containing a smaller globule which has one side a brown spot—also a small [illegible] transparent shell like a cockle-shell and indeed, near the point a light [illegible] substance—the animal [illegible] it answers for a dwelling—after noon, caught many more of the minute crustaceans by sinking the net several fathoms beneath the surface while none could be procured near it during the morning—them contained a large bubble of air or gas almost entirely filling the body & giving them a very singular appearance—All night we passed through vast numbers of jelly-fishes—the disk in form of a thick truncated cone with a fringed border covering downward and marked by numerous white rays like the lamina (gills) of mushrooms The disk is pellucid in the middle and all but the rays is nearly transparent This time we saw two small fishes and myriads of the minute crustaceans so few of which could be obtained in the middle of the day Accompanying these were several [illegible] of small size [illegible] The most curious is provided with a tail covered with black stellate spots and a carapace in which he rolls himself up like a ball—and [illegible] in an oval shape of a beautiful bronze color no legs discernable Another is provided with large black eyes and its head shelly covering is speckled all over with round black specks [illegible] was [illegible]

ally a large coral body & divided all the remaining of which are Two-lobed—the lobes smooth—the ten tips are brown on the lower joints—all the cups white but the upper which are black within—Another (white) has the tips covered with stellar spots—upper side the other black within—Watched till 1 o'clock last two P.M. for an occultation of Jupiter by the moon which however did not happen

Sunday Aug 14th 1853

Sunday began clear and pleasant with a fresh breeze from the S.E. giving us from time to time knots which however became light about 4 P.M. Saw one Portuguese man-of-war and some flying-fish The wind subsequently became fresh and continued so during the day Birds were seen today in considerable numbers. Clear and pleasant

Monday Aug 15th 1853

Somewhat cloudy early in the day Clear with light S.E. breeze—Comm. W.H. D. Wilkinson came on board the ship Wind continued light during the day

Tuesday Aug 16th 1853

Wind changed to the S.W. during the night and we stood the ship to the Southward and eastward Taken again and bore away to the Southward and westward Comm. during the day W.S.W. wind fresh

Wednesday Aug 17th 1853

Wind strong all day with a long swell during the afternoon Wind S.S.E.—comm. S.W. Found but few animalcula at night as also the last two nights Still became dark in night moonlight We will see in a few days The difference in Lat. & Long. will not seem to be sufficient cause

Sunday Aug 15th 1853

squally and wet in the night rain — wind strong S.E. — a long swell all day — course S.W. most of the day — wind varying at intervals — pleasant during the afternoon — caught at night rather more phosphorescent animals than last night though not few — night moonlight

Friday Aug 19th 1853

Wind light early this morning with squalls to leward and clouds horizon afterwards the breeze freshened so that we made five knots and upwards — light hazy clouds partly over the sky — very little swell of the sea Wind S.E. — course S.W. Clear and pleasant all day — at night the wind became so strong that it was thought best to reduce sail — making a more comfortable course — some phosphorescent animals though still few to be seen before the moon afforded a mild light — None were now observed now during the day

Saturday Aug 20th 1853

Rather dowdy early — with fresh breeze from the S.E. course nearly south — wind freshened and continued strong during the day with a long swell from S.E. At night the sea was slightly phosphorescent — a few animals were taken mostly gelatinous & small size

Sunday Aug 21st 1853

Morning set in squally with strong breezes mostly from the S.E. and a short dipping sea — The squalls with rain continued at considerable intervals till after midday the sea occasionally breaking over the decks — Saw early numbers of flying fish all going to windward Query Do they always go to

no indeed I could remember one to have seen them fly to windward they do not move materially against the wind in the manner described, I have also seen them approaching waves just above its surface and descend in the same manner as soon as they have passed each other and in this way during a single flight they will pass over two or three successive waves as I have plainly witnessed in numerous instances

Monday Aug 22d 1853

The day set in with squalls of wind and rain beginning soon after midnight coming from the S.E. making a short heavy sea — continued at intervals all day — causing the ship to roll heavily — wind S.E. — course north a little west — one or two similar squalls early in the night

Tuesday Aug 23d 1853

Soon after midnight began a succession of heavy squalls from the S.E. which continued at intervals throughout the day requiring frequently to reduce sail — the ship rolling heavily. The squalls mostly accompanied with light rain — some bright sunshine during the day — at night bright starlight — the sea slightly phosphorescent — making a little southing

Wednesday Aug 24th 1853

The day commenced as the preceding with one rather light squall after which the weather cleared and and continued pleasant till night with a mild fresh from the east — sunset during the day —

Thursday Aug 25th 1853

The wind continued as yesterday till midday when it changed to S.W. with light showers — till [illegible] noon to the west — Cape Pigeons were seen

The dredge [illegible] it reaches about 25 fathoms This was extremely difficult to take and only two or three specimens were secured – Some others were Spherical gelatinous bodies about three lines in diameter covered with white (one with black) specks – others were of a lenticular shape and pattern of light brown specks on the surface – Others still were somewhat reniform and thick Numerous specimens of Diphyes similar different from those of the North Atlantic were observed and taken during the day – the tentacles & the strings of very fine beads of a pipe fish were taken and ~~a third~~ collared with a piece of red bunting and turned loose again – With some of the Acalephs was taken a minute animalcule as might be ascertained that two at least of the above Acalephs were luminous – one very minute emitting a quite bright spark the other Spherical, [illegible] mentioned producing a pale diffuse light Callatriosser first seen today

Monday Aug 29th 1853

Pleasant – calm – sea smooth with a long low swell At 10 h M. commenced running with steam on a South course After midday the course was changed to S.E. and the sails set to a light breeze from the southward which freshened towards night Latter part of the day cool and pleasant – At night the wind changed round to the northward and our course was changed to E by S. with a fresh breeze

Tuesday Aug 30th 1853

The wind freshened during the night and changed to the NE Some hail showers [illegible] running – Course East E.N.E.

making from 7 to 6 knots having Cape pigeons in the
wake of the ship also some albatross Lat per log at noon
was 1.42 P.M. hauled from a course N.E. by E. to N.E. by N.
making for most westing immediately changed to the
starboard tack from Sat. & Many Cape pigeons
and a large albatross around the ship — Steamed
all day P.M. and evening making no progress
to the West. The birds [illegible]
[illegible]
[illegible]

Wednesday Sept 6th 1853

[illegible] at noon — [illegible] the ship
the ship making the day [illegible]
[illegible]

Thursday Sept 7th 1853

[illegible] Cloudy wet Squally [illegible] from S.E.
Course E.N.E. Log at noon 6 knots the ship
making perhaps a little more [illegible]
took an observation [illegible] Thermometer
though out all day

Friday Sept 2nd 1853

Cool cloudy [illegible] Wind fresh S.E. Course E.N.E. Log at noon
then to five knots by observation [illegible]
Variation by sunrise by sunset and [illegible]
numerous cape pigeons as well as other birds around the
ship all day

Saturday Sept 3rd 1853

Cool but clear [illegible]

Monday Sept 7th 1903

Tuesday Sept 8th 1903

Wednesday Sept 9th 1903

Thursday Sept 10th 1903

Sunday, 1 pm Feb 1853

Monday, 1 pm Feb 1853

Thursday, 1 pm Feb 1853

Friday, 1 pm Feb 1853

Saturday Sept 10th 1853

Sunday Sept 11th

Monday Sept 12th

January Sept 13th 1853

Thursday September 1853

Friday September 1853

Saturday September 1853

Sunday Sept 18th 1853

The flag ship Pittsburg [illegible] with the commander in chief and suite in search of the missing Arctic Expedition under command of Lieut. De Haven U.S.N. [illegible] Lieut Rhind with a party [illegible] Lieut Griffin [illegible] Lieut Hartstene [illegible]

Friday Sept 23rd 1853

Pleasant all day - wind light - [illegible] Capt Ommaney [illegible] Lieut Griffin [illegible]

Saturday Sept 24th 1853

[illegible] Lieut Griffin [illegible] Lieut Hartstene [illegible] Lieut Rhind [illegible] Lieut Griffin [illegible]

Sunday Sept 25th 1853

[illegible] Cloudy [illegible] drizzling rain [illegible]

Monday Sept 26th 1853

[illegible] Flag Ship [illegible] Lieut Griffin [illegible]

Tuesday Sept 27th 1853

[illegible] Lieut Griffin [illegible] Lieut Griffin [illegible]

Wednesday Sept 28th 1853

The crew [illegible] Lieut Griffin [illegible] Lieut Griffin [illegible]

Thursday April 27th 1853

Friday April 28th 1853

Saturday April 29th 1853

Sunday April 30th 1853

Monday May 1st 1853

Tuesday May 2nd 1853

Wednesday May 3rd 1853

Friday Oct 14th 1853

[illegible] from the east-bay caught - remained on board all day examining plants - clear through out

Saturday Oct 15th 1853

[illegible] plants in the forenoon - afterwards went on shore at Carquinez Straits - walked over the hills - found some [illegible] - caught till midnight - [illegible] plants & [illegible] - [illegible]

[illegible]

Sunday Oct 16th 1853

[illegible]

Monday Oct 17th 1853

Spent Tuesday in [illegible]

Tuesday Oct 18th 1853

[illegible]

Wednesday Oct 19th 53

Pleasant day - [illegible]

Thursday Oct 20th 1853

Fine day - [illegible]

specimens

Friday 21st Oct 1853

Spent the early part of the day on board — after dinner went on shore & climbed nearly to the top of Simon[illegible] on the near neighbour collecting some things not obtained till now — returned too late for the [illegible] boat — came off in a shore boat

Hancock went to sea today

Saturday 22nd Oct 1853

Dried my plants during the morning — after-wards & [illegible] before dinner went on shore & climbed the sand hills above Simons town — [illegible] but few novelties

Sunday 23rd Oct 1853

Calm & [illegible] pleasant morning — Stayed on board all day

Monday Oct 24th 1853

Went in the morning with Mr. Stimpson dredging quite successful in catching fish & invertebrates but few seaweeds were brought up — in the after-noon botanized on the neighbouring hills

Tuesday 25th Octr 1853

Cloudy — changing plants and having some shelves put up in my room

Wednesday Oct 26th 1853

Went on shore in the market boat & went botaniz-ing up the bay — crossed some heavy sand hills — found several new plants — returned at night against a strong unpleasant wind

Thursday 27th Oct 1853

Wind strong from the east all day — changed my plants and studied some with but little success

Friday Oct 28th 1853

Same [illegible] [illegible] [illegible] [illegible] though fresher than yes-terday confining us in the Ship

Saturday 24th Oct 1853

Wind through light rain yesterday still fresh from the same point I saw an pleasant hour in the most pleasant one in hills collecting some new things and planning what till now maybe do.

Sunday 25th Oct 1853

Up in the day mostly in which going to church in the morning and [illegible] reading up in the afternoon I like a pleasant sabbath.

Monday Oct 31st 1853

Spent the day in [illegible] drying plants [illegible] morning was in the alps and afternoon was [illegible] in the evening I read [illegible] given to me by Stimpson

Tuesday Nov 1st 1853

Dried my plants as usual in the afternoon went to the alps for more specimens rainy in the evening and afternoon evening read, all [illegible] blank

Wednesday Nov 2nd

Rose at 8 o'clock and at one o'clock for a long pic-nic with [illegible] the top of Simonberg. Saw found under some rhododendrons in the woods - three young ones, which I am bringing up in pots - but the rest under the rocks and would not be taken - found a number of plants not before seen. Rain strong all day.

Thursday Nov 3rd 1853

Rain very fast all day - employed in [illegible] writing a special [illegible] on this

Friday Nov 4th 1853

Early this morning I was awakened by the noise of heavy rain on the roof other persons [illegible] it was [illegible] and [illegible] the night was [illegible] [illegible] another

Saturday Nov 5th 1853

Wind strong all day from the Southwest Custom
Steamy with the tides at anchor - clear pleasant
day & one succession with the show otherwise pleas
ant

Sunday Nov 6th 1853

Rainy from the same quarter and fresher in the
day. Time employed in keeping the house
warm - engine at work all day - very dull

Monday Nov 7th 1853

Rainy in the early part and stormy with
wind the same as yesterday - pleasant

Tuesday Nov 8th 1853

Warm & pleasant all day - Heart on mind
my Saints

Wednesday Nov 9th 1853

Did under way this morning early, upon Dan
up-wind light from the westward in the bay,
under easy sail a man at work about the anchors
fell overboard The cry of "Man overboard" was immedi-
ately raised the Life-buoy cast off and a rope thrown
to him as the ship passed by him. who had the great
misfortune to be drowned. Two boats were quickly lowered the ship brought
to and he being a good Swimmer was soon picked
up - course South - Wind squally & the atmosphere very
thick moist and the decks damp - Pleasant all day

~~Thursday~~ Tuesday Nov 10th 1853

Morning pleasant - anchored South Mayn.) afternoon changing
to West & subsequently to NW

~~Friday~~ Thursday Nov 11th 1853

Pleasant - wind light - moved my plants - all the latter part
of the day nearly dead calm - employed in [illegible] nearly
all the time (Woofus) [illegible] U. S. [illegible] many curious crustacea - several species - eyes luminous

[illegible] Nov 12th 1853

Calm [illegible] till sunrise afterwards a breeze springing up from [illegible] very light at first but gradually freshening till night. During the latter part of the day [illegible] with squally looking clouds to windward [illegible] [illegible]

[illegible] Nov 13th 1853

[illegible] all night [illegible] from 4 o'clock [illegible] [illegible] during the day [illegible] [illegible] gradually [illegible] [illegible] [illegible] the day

[illegible] 14th 1853

[illegible] [illegible] my plants [illegible] [illegible]

Tuesday Nov 15th 1853

[illegible] light [illegible] all the [illegible] [illegible] in sounding [illegible] [illegible] [illegible] springing up [illegible] [illegible] in the morning [illegible] [illegible] in arranging my plants

Wednesday Nov 16th 1853

Pleasant [illegible] ahead and another [illegible] in arranging my plants [illegible] English [illegible] [illegible] south a little [illegible]

Thursday Nov 17th 1853

[illegible] pleasant all day [illegible] and studying plants [illegible] nearly south

Friday 18th Nov 1853

Raining [illegible] the night [illegible] early in the day —

[illegible] Tuesday, Nov 15th 1853

[illegible] Wednesday, Nov 16th 1853

[illegible] Thursday, Nov 17th 1853

[illegible] Friday, Nov 18th 1853

[illegible] Saturday, Nov 19th 1853

[illegible] Sunday, Nov 20th 1853

might just ahead of us and gained the weather side but it might we had gained on her somewhat leaving her in the rear the quarter (N.Th) — At 10 P.M. misty

All night & heavy rain & the wind gradually increasing however by the day returned N.W. & fresh & N.W. in a mild last strength & night & more than before — Early about noon & Fresh & Fair Strong winds & Squalls & Heavy rain & Thunder & Lightning & the Cabin was full of water & the Cook — about 4 P.M. the wind & rain ceased & the sun shone & the wind N.W. & fresh & Fair & Strong

Thursday Dec 28 1933

Saturday Dec 30 1933

Monday Jan 1 1934

subsequently becoming clear and continuing so
through the day, and somewhat warmer. Rain continuing
each from the north-west during us stay, rapidly, light
& gentle breezes, occasionally, and delightful evening
[illegible]

Tuesday 6th Dec 1853

Morning fine & mild, but becoming cloudy
& [illegible] with the wind from the N.W. Sea more gently
& [illegible] becoming, & towards the middle
of the day [illegible] & [illegible] with
[illegible] from the south & [illegible]
[illegible] & [illegible] & [illegible]
[illegible] & [illegible] & [illegible]
[illegible] & [illegible]

Thursday 14th December 1933

Pleasant — fresh breeze from the N.E. — Lee-
-ward — and thick at times — Ships Pitching
— We are safely anchored with the ships Pitching
[illegible]

Friday 15th December 1933

[illegible]

Saturday 16th December 1933

[illegible]

Sunday 17th December 1933

[illegible]

Monday 18th December 1933

[illegible]

Tuesday 19th December 1933

[illegible]

Wednesday 20th December 1933

[illegible]

Thursday 21st December 1933

[illegible]

A number of Albatrosses following the ship

Friday December 16th 1853

Monday December 19th 1853

Tuesday 20th December 1853

Wednesday 21st Dec 1853

Thursday 22nd Dec 1853

Friday Jany 3rd 1834

Saturday Jany 4th 1834

Sunday Jany 5th 1834

Monday Jany 6th 1834

Wednesday 11th Jan 1854

Thursday, 12th Jan 1854

Friday Jan 13th 1854

Saturday 9th June 1854

Wind light and variable during most of the day, at the afternoon it freshened considerably & we spread some more canvas – the land appeared to be about 10 miles off at this time & about 5 o'clock the wind began to blow fresh from the land & we were obliged to take in all the canvas we had spread & the sea becoming clear – Towards night the wind freshening about 8 o'clock we were obliged to take in more canvas & keep with it throughout the day

Sunday 10th June 1854

Gentle breeze during the day – Course N.N.W. North-westerly in the afternoon – Towards evening we perceived the Table Mountains right before us Northward & very near – Spent the day in studying plants

Monday 11th June 1854

From the night previous we were close in to the land – Sounded & found 30 fathoms water – Wind fresh & increased in force that it – fifty and more & about noon it was light – Spent the day – pleasant and warm – studied plants most of the day

Tuesday 12th June 1854

Wind light all day Southwesterly – Course nearly north – In the afternoon Table Mountain was seen plainly at a distance about 10 miles & land was in sight all day – Towards evening the ship steered more to the westward & was soon close to the land – Spent the day in studying plants

Wednesday 13th June 1854

Wind light all day – Mostly clear and pleasant – Spent the day studying plants &

Thursday 19th June 1856

[illegible] some days very many together towards noon a
a very few with the [illegible] permanent lights. The
[illegible] steady breeze both to [illegible] days. The
[illegible] about the ship towards night the [illegible] permanents

Friday 20th June 1856

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Monday 21st Aug 1854

At present on the homeward tack all after noon & night
Wind S.W. (Report) fell much from the shores which
I don't like as off the land the ship proves down to the Cape
Coast, and to-day - but the main enough by the land
Sun is down after 8pm and was soon on board again
Saw from the Cuddy Tell rose at 4 to-day
Tuesday 22nd Aug 1854
Wind continues Northerly pleasant but more
Wind gentle to-day - there is the day with round
Head shower - Cape Town in the day with round
wind - Wind & calm all day

Wednesday 23rd Aug 1854
Heavy rain during the night Wind less than
this morning with the Sea shown which vacant
at Tuesday, the white Sea Mariners Cooley
but opening about - so we have to beat - still (and
Winds ~~today~~ the day - Wet, hot and close in
my room

Thursday 24th Aug 1854
Wind [illegible] rain during 2nd part of day. Then
abundant weather very damp and sultry - Tacking against
a head wind - Passed near the usual position of Tristan d'Acunha
without seeing it owing to thought to its situation in the
charts being too far [illegible] the week towards my [illegible] passed over
a very narrow region - no flashes of lightning

Friday 25th Aug 1854
Wind light & [illegible] Sea, cloudy with occasional
light & heavy showers - rain accompanies with
some thunder and lightning &c. hot and sultry
[illegible] very damp. Could [illegible] about 4 A.M

Saturday 26th Aug 1854
Weather much the same as yesterday with perhaps less
wind - Alternately clear and cloudy with rain squalls
Steering more [illegible] Cape Town

Sunday 27th Aug 1854
Pleasant all day Winds light & [illegible] Sea [illegible] Passages plants rather
more becoming numerous Albatrosses, Cape pigeons, Cape pluets

Passages ... to 5th M. 4
Passages ... Time
in light of the Beckoning clouds ... Evening
mood, colour

Monday 9th July 1854

Wind ... Fine ... Beautiful ... generally ...
Evening ... Sea ... Stars ... Moon ... Sky ...
Sea ... without ... Thoughts ...

January 10th, 1854

... Evening ... Sea ... Stars ... Moon ...
... Sea ... Sky ... Evening ...
... Sea ... Sky ... Evening ...
and Stars. The welcome ... Sea ... Sky ... Evening ...

Tuesday 11th July 1854

... Evening ... Sea ... Sky ... Evening ...
... Sea ... Sky ... Evening ... Sea ... Sky ...
of the Volcanic Stones in ... Evening ... Sea ...

Wednesday 12th July 1854

Wind ... Evening ... Sea ... Sky ... Evening ...
... Sea ... Sky ... Evening ... Sea ... Sky ...
yale color.

Thurs. 13th July 1854

Light ... Evening ... Sea ... Sky ... Evening ...
by heavy ... Sea ... Sky ... Evening ... Sea ...
Sea ... Sky ... Evening ... Sea ... Sky ...
Evening ... Sea ... Sky ... Evening ... Sea ...

Friday 14th July 1854

Calm ... Evening ... Sea ... Sky ... Evening ...
... Sea ... Sky ... Evening ... Sea ... Sky ...

Sunday 25th March 1854

Pleasant - Head Winds from the N.E. Ground
through the day. At 8 P.M. Bentle middle of
the first watch of the night

Monday 26th March 1854

Pleasant Winds mod. Lighter Towards Land
Sent for the Lascar Boy - Comparatively warm

Tuesday 27th March 1854

Pleasant airs mostly throughout the day Winds
and changing more to the eastward nearly upon
every tack for Cross Bearings

Wednesday 28th March 1854

Pleasant all day Winds light Northerly
Current

Thursday 29th March 1854

Sent out pilot this morning at 6 AM passed
Pan for the nearest Land, made on the Starboard
tack Stood in shore with the Flying fish Capt Hoare
Britannia - sent a boat on board got some news-
papers and some Eggs, potatoes - Shortly the Boat
and Brig parted Company as they were both bound
to Manila. Winds light and Current variable
pleasant throughout the day

Friday 30th March 1854

Wind light and Variable Current setting
South & West Pleasant throughout the day Wind
moderate at night

Saturday 31st March 1854

Wind light and Variable Current setting
calm till night Pleasant hot day - sent in sight of
the N.W. Coast near Bay de Lapinit - At the Pilot
Lapse night

Sunday 5th March 1854

Pleasant – fresh brases from the N.E. General course through the day Rd. H. Read the articles of War being the first sunday of the month

Monday 6th March 1854

Pleasant Wind much lighter Today than it has been for the last 8 or 10 days – course generally Northerly

Tuesday 7th March 1854

Pleasant and warm Throughout the day Wind light and changing more to the eastward and nearly dying away at night Course N by E

Wednesday ~~7th~~ 8th March 1854

Pleasant all day, Winds light Northerly – Sea smooth

Thursday 9th March 1854

Got sail in early this morning at 6 o'clock fired a gun for the nearest to lay to – she came close under our stern – proved to be the "Flying Fish" Capt Nabbs 36 days from California – sent a boat on board got some newspapers and some boxes of potatoes – The other the Southern Cross passed to leeward of us Thy were both bound to Manila Wind light and variable. Weather pleasant throughout the day

Friday 10th March 1854

Wind light N with Sea smooth Course a little South of West Pleasant throughout the day Bright moonlight nights

Saturday 11th March 1854

Wind light and decreasing till midday after that calm till night Pleasant till day – a sail in sight to the N-W Large number of dolphins about the ship great part of the night

Sunday 12th March 1854

Wind light and variable - changing to the southward - carried us eight miles - At noon light to till she came up She proved to be the sweepstakes from California for China When we left New York she was but just begun Several huge albatrosses about the ship all day

Monday March 13th 1854

Shipping passed between the Island of Balingtang on the north & Babuyan Island lying on the south belonging to the Bashe groupe Bussi Incidents [illegible] was also away and the officer - was calm Don't hear a gun at night

Tuesday March 14th 1854

At eight of the Southern cape of Formosa with a moderate breeze - but rolling the ship villa a good deal during the middle of the day but eight the wind freshened

Wednesday 15th March 1854

Wind very fresh all day - the early part of it cloudy - the afternoon mist and at night rain fear of running on an island fort 7 miles distant

Thursday 16th March 1854

At eight of the Lutrones early in the morning cloudy and misty Wind fresh - increasing all the latter part of the day beating up to windward and to gain the harbor 1st dock took a pilot on board

Friday 17th March 1854

Weather quite cold and rain - Beating up towards Macao against a strong head wind all day & night wind moderated and the sun shone for a short time At night clear and starlight